

STATE OF ALABAMA

INVITATION TO BID

FOR

COMPUTER EQUIPMENT

FOR

INFORMATION SYSTEMS DIVISION
AND
DEPARTMENT OF TRANSPORTATION

JOINT DISASTER RECOVERY PROJECT
Revised 06/03/10

SECTION I

GENERAL INFORMATION

I.1. OBJECTIVE: The purpose of this Invitation to Bid (ITB) is to provide sufficient information to interested vendors to prepare and submit bids for consideration by the State of Alabama Finance Department (ISD) and the State Department of Transportation (DOT) to procure a joint disaster computer system which will provide for the daily computer needs of each department as well as providing disaster backup to ISD and DOT as needed. The required configurations (General and Detailed) of the equipment required are shown in Section II. Pricing Tables A, B, C & D are required. They must be completed and submitted in the format as shown in Section III. The ITB will be all or none, IBM only. All requirements are mandatory.

I.2. RESPONSE PREPARATION AND BID FORMAT: Bid must be in the same format and sequence as presented in this ITB. The bid must include: (a) a statement of compliance with mandatory requirements, (b) any other requirement set forth elsewhere in the bid. The requirements stated herein should be considered mandatory.

- (1) The information submitted by the bidder will be used for a technical and cost evaluation. The STATE may use any other information submitted with the bid for evaluation purposes.

I.3. RESPONSE SUBMISSIONS: It is required that a minimum of two (2) copies of the bid (original and one copy) be submitted with the bid response which is to present ALL PRICING DATA clearly and completely. The STATE is not liable for any cost incurred by a bidder replying to the ITB.

I.4. LOCAL SUPPORT: The bid must include a resume and the location of system engineers who will provide on-site technical/systems support for the installation and ongoing support of the system (hardware and software) included in the bid response. The cost of this support is to be included in Section III.

I.5. DELIVERY: The items will be delivered to Alabama Department of Transportation, 1409 Coliseum Boulevard, Montgomery, Alabama 36110 and Information Systems Division, 64 North Union Street, Montgomery, AL 36130 as shown in Section II.1.

I.6. INSTALLATION: Installation must be done by equipment manufacturer personnel. The bid must include installation pricing per TABLE B Section III. Installation shall include delivery, setup, connection, debris removal, and testing and upon successful completion, turnover of the equipment/system to the designated representative of the respective State agency. Warranty/maintenance period for all items delivered and accepted shall begin on the first day after equipment acceptance by ISD and DOT. Bidder must specify the warranty period in TABLE C, Section III. All support equipment, cables, features, software, etc. required for installation must be delivered with or prior to the equipment and as specified in paragraph I.5 above.

I.7. MAINTENANCE: The bidder must bid the appropriate level of IBM maintenance associated with the commodity line being bid. Show Pricing in Section III, TABLE C for **each machine bid**.

(1) Bidder will provide on-site maintenance 24 hours per day seven (7) days per week responding with a qualified technician within 4 hours.. The successful bidder must respond to all maintenance calls. Accompanying the bid must be a statement as to the number, location, and availability of parts and personnel qualified to maintain the equipment bid.

(2) All parts and components utilized in the repair of equipments must be either new or refurbished by the original equipment manufacturer and be subject to the original equipment manufacturer's warranty.

I.8. INQUIRIES: Any questions that arise concerning technical data in the ITB must be submitted in writing to:

Mr. Byron Owens
Information Systems Division (ISD)
64 North Union Street
Montgomery, Alabama 36130
Email: byron.owens@isd.alabama.gov

Questions of procedural nature and copies of all questions to Mr. Owens should be submitted in writing by email to:

Ms. Jaeri Ellis
Division of Purchasing
Email: Jaeri.ellis@purchasing.alabama.gov

I.9. LEASE/PURCHASE FINANCING: Lease/Purchase with "0" down for 60 months. Include interest rate, cost factor per \$1,000.00 and amortization schedules – one for ISD and one for DOT. ISD and DOT will each receive a separate monthly financing invoice for the total of their equipment as shown in Section II. The interest rate, cost factor per \$1,000.00 and amortization schedules for ISD and DOT must be included in Section III.4.

NOTE: The TPC Replication Software cannot be financed. The only items to be financed are the hardware items which include: DS8700's, TS7720's, XIV's, 7650g's, 2498 Switches, and the z10 Processor upgrades.

I.10. BID AWARDS: The STATE may award a contract(s) for outright purchase or lease purchase.

I.11. CRITERIA FOR SELECTION: Selection will be based on all factors listed below and others implicit within this ITB. The award will be all or none.

- (1) **Equipment Specifications:** Bid must meet all specifications.
- (2) **Qualification:** This criterion includes an evaluation of (A) the bidder's past experience, (B) the ability of the bidder to perform the terms of the ITB, and (C) the quality and relevancy of the items bid.
- (3) **Service:** This criterion includes an evaluation of the bidder's service and maintenance plan and the qualifications and location of the service organization(s).

I.12. SITE ASSISTANCE: The bid must include a statement that bidder will provide certain services related to equipment installation. This statement should include, but not be limited to, site preparation requirements and assistance that will be provided to the STATE in implementing and operating the equipment. The bidder is expected to provide, if awarded a contract hereto, the necessary ongoing assistance for physical planning, power determination and requirements, environmental requirements, and any other operating constraints required for the successful installation, operation, and service of the equipment.

I.13. TRAINING: The bidder must offer appropriate training for STATE personnel on the operation of the equipment. Specify the type, description, product number and availability of recommended training. Include pricing in Section III, Table A.

I.14. RELATED EXPERIENCE: The bid must identify the names of at least three major customers currently using similar items and services of the type offered in the bid. The equipment must have been installed and operational for minimum period of six (6) months. A name, title, addresses, email and telephone number must be provided for a person to contact regarding the items bid. The STATE reserves the right to contact each customer listed in the bid. The bidder must be certified by the manufacturer to provide these services.

SECTION II

CONFIGURATION SPECIFICATIONS

II.1. CONFIGURATION – GENERAL: The IBM equipment by type and quantity for ISD and DOT is shown below:

NOTE: THE EQUIPMENT BID MUST BE NEW.

(A) ISD:

<u>Description</u>	<u>Quantity</u>
DS 8700 Storage	2
TS 7720 Tape	2
2498 Switch	4
XIV	2
TPC Replication SW	1
Upgrade z890 to z10	1
Upgrade Z10 Processor	1

(B) DOT:

<u>Description</u>	<u>Quantity</u>
DS8700 Storage	2
TS7720 Tape	2
2498 Switch	4
XIV	8
TS7650g	3
TPC Replication SW	1

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: The detailed model/feature code configurations for the machines and the TPC Replication Software referenced in II.1 required by ISD and DOT are shown on the following pages. The specifications for each machine are mandatory.

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: IBM TS 7720 - same configuration for
ISD and DOT as follows:

NOTE:

ISD	QUANTITY: 2
DOT	QUANTITY: 2

St.of AL TS7720 70TB_SW_Copper_Grid

***** HARDWARE *****

Product	Description	Qty
3952-F05	Tape Frame	1
1903	Dual AC Power	1
1904	Redundant AC Power	1
2732	TS3000 System Console	1
2733	Internal Modem	1
5626	Plant Install 3957-VEA	1
5636	Plant Install 3956-CS7	1
5646	Plant Install 3956-XS7	6
5759	Integrated Control Path	1
7322	TS7720 Frame	1
9954	NEMA L6-30 Power Cord	1
3956-CS7	TS7720 SATA Cache Controller	1
7113	16 TB SATA Storage	1
9352	Plant Install in F05	1
3956-XS7	TS7720 SATA Cache Module	6
7113	16 TB SATA Storage	6
9354	Plant Install in F05	6
3957-VEA	TS7720 Virtualization Engine Server	1
0203	50 Micron LC/LC 31 Meter	4
1032	1Gb Grid Dual Port Copper Connection	2
2715	Console Attachment	1
3441	FICON Short Wavelength	4
4015	Grid Enablement	1
5268	100 MB/sec Increment	2
9000	Mainframe Attachment	1
9268	100 MB/s Throughput - Plant	1
9350	Plant Install V06 in F05	1

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: IBM 2498 Switch for ISD as follows:

NOTE:

Phase 1 SW	QUANTITY: 2
Phase 2 SW #1	QUANTITY: 1
Phase 2 SW #1W	QUANTITY: 1
Phase 1 DCFM	QUANTITY: 1

DOT Phase 1 SW

***** HARDWARE *****

Product	Description	Qty
2498-B40	IBM System Storage SAN40B-4	1
2801	8 Gbps SW SFP Transceiver	4
2808	8 Gbps SW SFP Transceiver	4
	8-Pack	
2821	8 Gbps 10Km LW SFP Transceiver	4
7400	8-Port Activation	1
7409	FICON w/CUP Activation	1
8S1022	8-Port Activation	1

***** SERVICES *****

Product	Description	Qty
6942-25B	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
9194	2498-B40 24x7x4 WSU	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1
6948-B06	Support Line Storage for SAN Infrastructure	1
5805	Extended Coverage (24x7)	1
7313	Request Proposal for Prices	1
8087	SL Storage for SAN Infrastructure	1

DOT Phase 2 SW#1

***** HARDWARE *****

Product	Description	Qty
2498-B40	IBM System Storage SAN40B-4	1
2801	8 Gbps SW SFP Transceiver	4
2808	8 Gbps SW SFP Transceiver 8-Pack	4
2821	8 Gbps 10Km LW SFP Transceiver	4
7400	8-Port Activation	1
7405	Trunking Activation	1
7406	Adaptive Networking	1
8S1022	8-Port Activation	1

***** SERVICES *****

Product	Description	Qty
6942-25B	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
9194	2498-B40 24x7x4 WSU	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1
6948-B06	Support Line Storage for SAN Infrastructure	1
5805	Extended Coverage (24x7)	1
7313	Request Proposal for Prices	1
8087	SL Storage for SAN Infrastructure	1

DOT Phase 2 SW#1 w

***** HARDWARE *****

Product	Description	Qty
2498-B40	IBM System Storage SAN40B-4	1
2801	8 Gbps SW SFP Transceiver	4
2808	8 Gbps SW SFP Transceiver 8-Pack	4
2821	8 Gbps 10Km LW SFP Transceiver	4
7400	8-Port Activation	1
7405	Trunking Activation	1
7406	Adaptive Networking	1
7407	Integrated Routing	1
8S1022	8-Port Activation	1

***** SERVICES *****

Product	Description	Qty
6942-25B	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
9194	2498-B40 24x7x4 WSU	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1
6948-B06	Support Line Storage for SAN Infrastructure	1
5805	Extended Coverage (24x7)	1
7313	Request Proposal for Prices	1
8087	SL Storage for SAN Infrastructure	1

DOT Phase 1 DCFM

***** SOFTWARE *****

Product	Description	Qty
5639-D1F	IBM System Storage Data Center Fabric Manager V10.3	1
0001	DCFM Base per server w 1yr SWMA	1
5806	DCFM Media Kit	1
5639-DC3	IBM System Storage Data Center Fabric Manager Reg:3 Yr	1
0001	Per Server SW MAINT 3Y Reg	1

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: IBM 2498 Switch for DOT as follows:

NOTE:

Phase 1 SW	QUANTITY: 2
Phase 2 SW #1	QUANTITY: 1
Phase 2 SW #1W	QUANTITY: 1
Phase 1 DCFM	QUANTITY: 1

DOT Phase 1 SW

***** HARDWARE *****

Product	Description	Qty
2498-B40	IBM System Storage SAN40B-4	1
2801	8 Gbps SW SFP Transceiver	4
2808	8 Gbps SW SFP Transceiver	4
	8-Pack	
2821	8 Gbps 10Km LW SFP Transceiver	4
7400	8-Port Activation	1
7409	FICON w/CUP Activation	1
8S1022	8-Port Activation	1

***** SERVICES *****

Product	Description	Qty
6942-25B	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
9194	2498-B40 24x7x4 WSU	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1
6948-B06	Support Line Storage for SAN Infrastructure	1
5805	Extended Coverage (24x7)	1
7313	Request Proposal for Prices	1
8087	SL Storage for SAN Infrastructure	1

DOT Phase 2 SW#1

***** HARDWARE *****

Product	Description	Qty
2498-B40	IBM System Storage SAN40B-4	1
2801	8 Gbps SW SFP Transceiver	4
2808	8 Gbps SW SFP Transceiver 8-Pack	4
2821	8 Gbps 10Km LW SFP Transceiver	4
7400	8-Port Activation	1
7405	Trunking Activation	1
7406	Adaptive Networking	1
8S1022	8-Port Activation	1

***** SERVICES *****

Product	Description	Qty
6942-25B	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
9194	2498-B40 24x7x4 WSU	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1
6948-B06	Support Line Storage for SAN Infrastructure	1
5805	Extended Coverage (24x7)	1
7313	Request Proposal for Prices	1
8087	SL Storage for SAN Infrastructure	1

DOT Phase 2 SW#1 w

***** HARDWARE *****

Product	Description	Qty
2498-B40	IBM System Storage SAN40B-4	1
2801	8 Gbps SW SFP Transceiver	4
2808	8 Gbps SW SFP Transceiver 8-Pack	4
2821	8 Gbps 10Km LW SFP Transceiver	4
7400	8-Port Activation	1
7405	Trunking Activation	1
7406	Adaptive Networking	1
7407	Integrated Routing	1
8S1022	8-Port Activation	1

***** SERVICES *****

Product	Description	Qty
6942-25B	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
9194	2498-B40 24x7x4 WSU	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1
6948-B06	Support Line Storage for SAN Infrastructure	1
5805	Extended Coverage (24x7)	1
7313	Request Proposal for Prices	1
8087	SL Storage for SAN Infrastructure	1

DOT Phase 1 DCFM

***** SOFTWARE *****

Product	Description	Qty
5639-D1F	IBM System Storage Data Center Fabric Manager V10.3	1
0001	DCFM Base per server w 1yr SWMA	1
5806	DCFM Media Kit	1
5639-DC3	IBM System Storage Data Center Fabric Manager Reg:3 Yr	1
0001	Per Server SW MAINT 3Y Reg	1

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: XIV for ISD as follows:

NOTE:

XIV 10 MOD (50TB) Installed at ISD.

XIV 6 MOD (27TB) Installed at DOT.

ISD XIV 10 mod (50TB)

***** HARDWARE *****

Product	Description	Qty
2812-A14	IBM XIV Storage System	1
0018	AAS SW order indicator	1
0030	Base unit indicator	1
0100	UNIX Host Attachment	1
0101	Linux Host Attachment	1
0102	Windows Host Attachment	1
0103	VMware Host Attachment	1
0810	10 module initial capacity	1
1101	Dual-CPU interface module	6
1106	LV data module	4
3900	Ethernet cable	4
3910	Fibre cable (LC)	16
9000	Maintenance module	1
9101	Modem	1
9811	US/CA/LA/AP 60A pin cord	1
9890	Single phase power	1

***** SOFTWARE *****

Product	Description	Qty
5639-XX3	IBM XIV Storage System	1
	Software Reg:3 Yr	
0001	Per Storage Device SW MAINT 3Y	10
	Reg	
5639-XXA	IBM XIV Storage System	1
	Software V10.2	
0001	Per Storage Device with 1 Yr	10
	SW Maintenance	
5005	Preinstall	1
5809	Supply feature	1

ISD XIV 6 mod (27TB)

***** HARDWARE *****

Product	Description	Qty
2812-A14	IBM XIV Storage System	1
0018	AAS SW order indicator	1
0030	Base unit indicator	1
0100	UNIX Host Attachment	1
0101	Linux Host Attachment	1
0102	Windows Host Attachment	1
0103	VMware Host Attachment	1
0806	6 module initial capacity	1
1101	Dual-CPU interface module	3
1106	LV data module	3
3910	Fibre cable (LC)	8
9000	Maintenance module	1
9101	Modem	1
9811	US/CA/LA/AP 60A pin cord	1
9890	Single phase power	1

***** SOFTWARE *****

Product	Description	Qty
5639-XX3	IBM XIV Storage System	1
	Software Reg:3 Yr	
0001	Per Storage Device SW MAINT 3Y	6
	Reg	
5639-XXA	IBM XIV Storage System	1
	Software V10.2	
0001	Per Storage Device with 1 Yr	6
	SW Maintenance	
5005	Preinstall	1
5809	Supply feature	1

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: XIV for DOT as follows:

NOTE:

XIV 10 MOD (50.2TB) Install (2) at DOT and (2) at ISD.

XIV 12 MOD (61.7TB) Install (2) at DOT and (2) at ISD.

DOT XIV 10 Mod-50.2TB 1TB SATA 16FC 4iSCSI

***** HARDWARE *****

Product	Description	Qty
2812-A14	IBM XIV Storage System	1
0018	AAS SW order indicator	1
0030	Base unit indicator	1
0100	UNIX Host Attachment	1
0101	Linux Host Attachment	1
0102	Windows Host Attachment	1
0103	VMware Host Attachment	1
0810	10 module initial capacity	1
1101	Dual-CPU interface module	6
1106	LV data module	4
3900	Ethernet cable	4
3910	Fibre cable (LC)	16
9000	Maintenance module	1
9101	Modem	1
9811	US/CA/LA/AP 60A pin cord	1
9890	Single phase power	1

***** SOFTWARE *****

Product	Description	Qty
5639-XX3	IBM XIV Storage System	1
	Software Reg:3 Yr	
0001	Per Storage Device SW MAINT 3Y	10
	Reg	
5639-XXA	IBM XIV Storage System	1
	Software V10.2	
0001	Per Storage Device with 1 Yr	10
	SW Maintenance	
5005	Preinstall	1
5809	Supply feature	1

***** SERVICES *****

Product	Description	Qty
---------	-------------	-----

XIV 10 58.2TB

6942-25B Warranty Service Upgrade	1
0050 Request Proposal for Prices	1
4524 WSU Same Day 24x7x4 Response	1
6942-CON Contract Coverage (N/C codes)	1
0096 ServiceElite	1
6942-HMA Hardware Maintenance (N/C codes)	1
0025 Hardware Maintenance Selected	1
0050 Request Proposal for Prices	1
6942-TCS Terms (N/C codes)	1
0050 Request Proposal for Prices	1
0053 Prepay Billing 3 Year Term	1

DOT XIV 12 Mod-61.7TB 1TB SATA 20FC 6iSCSI

***** HARDWARE ***

Product	Description	Qty
2812-A14	IBM XIV Storage System	1
0018	AAS SW order indicator	1
0030	Base unit indicator	1
0100	UNIX Host Attachment	1
0101	Linux Host Attachment	1
0102	Windows Host Attachment	1
0103	VMware Host Attachment	1
0812	12 module initial capacity	1
1101	Dual-CPU interface module	6
1106	LV data module	6
3900	Ethernet cable	6
3910	Fibre cable (LC)	20
9000	Maintenance module	1
9101	Modem	1
9811	US/CA/LA/AP 60A pin cord	1
9890	Single phase power	1

***** SOFTWARE ***

Product	Description	Qty
5639-XX3	IBM XIV Storage System	1
	Software Reg:3 Yr	
0001	Per Storage Device SW MAINT 3Y	12
	Reg	
5639-XXA	IBM XIV Storage System	1
	Software V10.2	
0001	Per Storage Device with 1 Yr	12
	SW Maintenance	
5005	Preinstall	1
5809	Supply feature	1

***** SERVICES **

xlviz 61.7TB

Product	Description	Qty
6942-25B	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: IBM TS7650G for DOT as follows:

NOTE:

TS7650G Cluster	Quantity: 2
TS7650G Disaster	Quantity: 1

AlabamaDOT_TS7650G Cluster_Capacity_Replication_XIV_100TB **Qty 2**

***** HARDWARE *****

Product	Description	Qty
3958-DD3	TS7650G Server	1
2732	TS3000 System Console	1
2733	Internal Modem	1
3447	Cluster Connection Kit	1
3449	4GB FC Dual Port HBA - Disk	2
3459	4GB FC Dual Port HBA - Host	2
6025	25 Meter LC/LC FC Cable	4
9033	Attach XIV	1
9306	ProtectTIER EE V2 load	1
9340	Rack Mount DD1	1

3958-DD3	TS7650G Server	1
2732	TS3000 System Console	1
2733	Internal Modem	1
3449	4GB FC Dual Port HBA - Disk	2
3459	4GB FC Dual Port HBA - Host	2
6025	25 Meter LC/LC FC Cable	4
9033	Attach XIV	1
9306	ProtectTIER EE V2 load	1
9340	Rack Mount DD1	1

***** SOFTWARE *****

Product	Description	Qty
5639-XXE	IBM System Storage ProtectTIER Ent Ed 3Yr SWMA Registration	1
0001	ProtectTIER Enterprise Ed 3Yr SWMA Reg	2
0002	ProtectTIER Ent Ed Cluster Sup Per TB 1-12 3Yr SWMA Reg	12
0003	ProtectTIER Ent Ed Cluster Sup Per TB 13-32 3Yr SWMA Reg	20
0004	ProtectTIER Ent Ed Cluster Sup Per TB 33-64 3Yr SWMA Reg	32
0005	ProtectTIER Ent Ed Cluster Sup Per TB 65-100 3Yr SWMA Reg	36
0009	ProtectTIER Ent Ed Capacity Sup Per TB 1-12 3Yr SWMA Reg	12
0010	ProtectTIER Ent Ed Capacity Sup Per TB 13-32 3Yr SWMA Reg	20
0011	ProtectTIER Ent Ed Capacity Sup Per TB 33-64 3Yr SWMA Reg	32
0012	ProtectTIER Ent Ed Capacity Sup	36

	Per TB 65-100 3Yr SWMA Reg	
0016	ProtectTIER Ent Ed Replication	12
	Sup Per TB 1-12 3Yr SWMA Reg	
0017	ProtectTIER Ent Ed Replication	20
	Sup Per TB 13-32 3Yr SWMA Reg	
0018	ProtectTIER Ent Ed Replication	32
	Sup Per TB 33-64 3Yr SWMA Reg	
0019	ProtectTIER Ent Ed Replication	36
	Sup Per TB 65-100 3Yr SWMA Reg	
5639-XXB	IBM System Storage ProtectTIER	1
	Enterprise Edition V2	
0001	ProtectTIER Enterprise Ed V2	2
0002	ProtectTIER Ent Ed V2 Capacity	12
	Sup per TB 1-12	
0003	ProtectTIER Ent Ed V2 Capacity	20
	Sup per TB 13-32	
0004	ProtectTIER Ent Ed V2 Capacity	32
	Sup per TB 33-64	
0005	ProtectTIER Ent Ed V2 Capacity	36
	Sup per TB 65-100	
0009	ProtectTIER Ent Ed V2 Cluster	12
	Sup per TB 1-12	
0010	ProtectTIER Ent Ed V2 Cluster	20
	Sup per TB 13-32	
0011	ProtectTIER Ent Ed V2 Cluster	32
	Sup per TB 33-64	
0012	ProtectTIER Ent Ed V2 Cluster	36
	Sup per TB 65-100	
0016	ProtectTIER Ent Ed V2	12
	Replication Sup per TB 1-12	
0017	ProtectTIER Ent Ed V2	20
	Replication Sup per TB 13-32	
0018	ProtectTIER Ent Ed V2	32
	Replication Sup per TB 33-64	
0019	ProtectTIER Ent Ed V2	36
	Replication Sup per TB 65-100	
3444	Do Not Ship Pubs or Media	1
5829	Media Supply - ProtectTIER	1

***** SERVICES *****

Product	Description	Qty
6942-25B	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1

***** HARDWARE *****

Product	Description	Qty
3958-DD3	TS7650G Server	1
2732	TS3000 System Console	1
2733	Internal Modem	1
3449	4GB FC Dual Port HBA - Disk	2
3459	4GB FC Dual Port HBA - Host	2
6025	25 Meter LC/LC FC Cable	4
9033	Attach XIV	1
9306	ProtectTIER EE V2 load	1
9340	Rack Mount DD1	1

***** SOFTWARE *****

Product	Description	Qty
5639-XXE	IBM System Storage ProtectTIER Ent Ed 3Yr SWMA Registration	1
0001	ProtectTIER Enterprise Ed 3Yr SWMA Reg	1
0016	ProtectTIER Ent Ed Replication Sup Per TB 1-12 3Yr SWMA Reg	12
0017	ProtectTIER Ent Ed Replication Sup Per TB 13-32 3Yr SWMA Reg	20
0018	ProtectTIER Ent Ed Replication Sup Per TB 33-64 3Yr SWMA Reg	32
0019	ProtectTIER Ent Ed Replication Sup Per TB 65-100 3Yr SWMA Reg	36
5639-XXB	IBM System Storage ProtectTIER Enterprise Edition V2	1
0001	ProtectTIER Enterprise Ed V2	1
0016	ProtectTIER Ent Ed V2 Replication Sup per TB 1-12	12
0017	ProtectTIER Ent Ed V2 Replication Sup per TB 13-32	20
0018	ProtectTIER Ent Ed V2 Replication Sup per TB 33-64	32
0019	ProtectTIER Ent Ed V2 Replication Sup per TB 65-100	36
3444	Do Not Ship Pubs or Media	1
5829	Media Supply - ProtectTIER	1

***** SERVICES *****

Product	Description	Qty
6942-25B	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: Upgrade z890 to z10 for ISD as follows:

~9083907.txt
Upgrade 1 of 1 2086-00004FE3E to be located at ISO

System 1 - Hardware Base Starting-point

Product	Description	Qty	Purchase
2086-A04	zSeries 890	1	
0079	HMC Dual Ethernet	1	
0087	SE - Dual Ethernet	1	
0089	SE-Eth Switch (former HUB)	1	
0112	IO Cage Full Cardslot Airflow	18	
0153	CEC	1	
0225	STI AFB-C 1/2 Airflow	4	
0322	eSTI-M Card	4	
1109	Model A04	1	
1365	OSA-Express GbE SX	2	
1366	OSA-Express 1000Base-T Ethernet	4	
2008	8GB Memory Card	1	
2323	16-Port ESCON Card	4	
2324	ESCON Channel Ports	12	
3102	8GB LICCC Enablement Memory	1	
3863	CPACF DES/TDES Enablement	1	
6095	Large Flat Panel Display	1	
6250	Capacity Setting 250	1	
6252	250 Capacity Marker	1	
6800	Capacity Back up Central Processor (CBU CP)	2	
8987	14ft line cord US/Canada/Japan 250v 3 phase	1	
9965	Site Tool Kit	1	
Serial: 00004FE3E		Total	

Upgrade 1 of 1 2086-00004FE3E

System 1 - Proposed Hardware

Product	Description	Qty	Purchase
2098-E10	IBM System z10 Business Class	1	
0089	SE-EN Switch (former HUB)	2	
0090	HMC	1	
0114	I/O Cage Full Card Airflow	3	
0157	CEC	1	
0162	HCA2-C Fanout	4	
0165	MBA Fanout Airflow	2	
0326	IFB-MP Daughter Card	6	
0327	STI-A8 Mother Card	3	
0871	Crypto Express3 1 ports	2	
1123	Model E10	1	
1644	4 GB Memory DIMM(4/feature)	5	
2323	16 Port ESCON	4	
2324	ESCON Channel Port	12	
2412	64 GB Memory	1	
3326	FICON Express8 SX 4 ports	8	
3367	OSA-Express3 1000BASE-T 4 ports	4	
3369	OSA-Express3-2P 1000BASE-T 2 ports	3	
3759	Universal Lift Tool/Ladders	1	
3863	CPACF Enablement	1	
4000	I/O Drawer	3	
4001	Frame Costing Feature	1	
5100	2-Way Processor R02	1	
6096	Flat Panel Display	1	
6650	IFL	2	
6654	zIIP	1	
6673	CP-R	2	
6805	1 Additional CBU Tests	10	
6817	1 CBU Year	5	
6820	1 CBU CP	10	

-9083907.txt

6930	R02 Capacity Marker	1
8987	14 ft 250v 3 PH Cord	1
9000	Multi Order Ship Flag	1
9900	On Line CoD Buying (Flag)	1
9910	CBU authorization	1
9969	z10 BC Site Tool Kit	1

Serial: 00004FE3E

Total

Upgrade 1 of 1 2086-00004FE3E

System 1 - Hardware Orders

Product	Description	Qty	Purchase
Hardware Upgrades			
2086-A04	zSeries 890	-1	
2098-E10	IBM System z10 Business Class	1	
Feature conversions			
1109	Model A04	-1	
1123	Model E10	1	
Net charge			
3102	8GB LICCC Enablement Memory	-1	
2412	64 GB Memory	1	
Net charge			
6250	Capacity Setting 250	-1	
5100	2-way Processor R02	1	
Net charge			
Additions			
0089	SE-EN Switch (former HUB)	1	
0090	HMC	1	
0114	I/O Cage Full Card Airflow	3	
0157	CEC	1	
0162	HCA2-C Fanout	4	

Page 3

0165	MBA Fanout Airflow	2
0326	IFB-MP Daughter Card	6
0327	STI-A8 Mother Card	3
0871	Crypto Express3 1 ports	2
1644	4 GB Memory DIMM(4/feature)	5
3326	FICON Express8 SX 4 ports	8
3367	OSA-Express3 1000BASE-T 4 ports	4
3369	OSA-Express3-2P 1000BASE-T 2 ports	3
3759	Universal Lift Tool/Ladders	1
4000	I/O Drawer	3
4001	Frame Costing Feature	1
6096	Flat Panel Display	1
6650	IFL	2
6654	ZIIP	1
6673	CP-R	2
6805	1 Additional CBU Tests	10
6817	1 CBU Year	5
6820	1 CBU CP	10
6930	R02 Capacity Marker	1
9000	Multi Order Ship Flag	1
9900	On Line CoD Buying (Flag)	1
9910	CBU authorization	1
9969	z10 BC Site Tool Kit	1
Removals		
0079	HMC Dual Ethernet	-1
0087	SE - Dual Ethernet	-1
0112	IO Cage Full Cardslot Airflow	-18
0153	CEC	-1
0225	STI AFB-C 1/2 Airflow	-4
0322	eSTI-M Card	-4
1365	OSA-Express GbE SX	-2
1366	OSA-Express 1000Base-T Ethernet	-4

~9083907.txt

2008	8GB Memory Card	-1
6095	Large Flat Panel Display	-1
6252	250 Capacity Marker	-1
6800	Capacity Back Up Central Processor (CBU CP)	-2
9965	Site Tool Kit	-1
	Serial: 00004FE3E	Total

Upgrade 1 of 1 2086-00004FE3E

System 2 - Hardware Base Starting-point

Product	Description	Qty	Purchase
2098-E10	IBM System z10 Business Class	1	
0089	SE-EN Switch (former HUB)	2	
0090	HMC	1	
0114	I/O Cage Full Card Airflow	3	
0157	CEC	1	
0162	HCA2-C Fanout	4	
0165	MBA Fanout Airflow	2	
0326	IFB-MP Daughter Card	6	
0327	STI-A8 Mother Card	3	
0871	Crypto Express3 1 ports	2	
1123	Model E10	1	
1644	4 GB Memory DIMM(4/feature)	5	
2323	16 Port ESCON	4	
2324	ESCON Channel Port	12	
2412	64 GB Memory	1	
3326	FICON Express8 SX 4 ports	8	
3367	OSA-Express3 1000BASE-T 4 ports	4	
3369	OSA-Express3-2P 1000BASE-T 2 ports	3	
3759	universal Lift Tool/Ladders	1	

Page 5

~9083907.txt

3863	CPACF Enablement	1
4000	I/O Drawer	3
4001	Frame Costing Feature	1
5100	2-Way Processor R02	1
6096	Flat Panel Display	1
6650	IFL	2
6654	zIIP	1
6673	CP-R	2
6805	1 Additional CBU Tests	10
6817	1 CBU Year	5
6820	1 CBU CP	10
6930	R02 Capacity Marker	1
8987	14 ft 250v 3 PH Cord	1
9000	Multi Order Ship Flag	1
9900	On Line CoD Buying (Flag)	1
9910	CBU authorization	1
9969	z10 BC Site Tool Kit	1

Serial: 00004FE3E

Total

Upgrade 1 of 1 2086-00004FE3E

System 2 - Proposed Hardware

Product	Description	Qty	Purchase
2098-E10	IBM System z10 Business Class	1	
0089	SE-EN Switch (former HUB)	2	
0090	HMC	1	
0114	I/O Cage Full Card Airflow	3	
0157	CEC	1	
0162	HCA2-C Fanout	4	
0165	MBA Fanout Airflow	2	
0326	IFB-MP Daughter Card	6	
0327	STI-A8 Mother Card	3	
0871	Crypto Express3 1 ports	2	

Page 6

~9083907.txt

1123	Model E10	1
1644	4 GB Memory DIMM(4/feature)	5
2323	16 Port ESCON	4
2324	ESCON Channel Port	12
2412	64 GB Memory	1
3326	FICON Express8 SX 4 ports	8
3367	OSA-Express3 1000BASE-T 4 ports	4
3369	OSA-Express3-2P 1000BASE-T 2 ports	3
3759	Universal Lift Tool/Ladders	1
3863	CPACF Enablement	1
4000	I/O Drawer	3
4001	Frame Costing Feature	1
5100	2-way Processor R02	1
6096	Flat Panel Display	1
6650	IFL	2
6654	ZIIP	1
6673	CP-R	2
6805	1 Additional CBU Tests	10
6817	1 CBU Year	5
6818	CBU	1
6820	1 CBU CP	10
6930	R02 Capacity Marker	1
8987	14 ft 250v 3 PH Cord	1
9000	Multi Order Ship Flag	1
9002	Multi Order Rec only Flag-MES	1
9003	RPO Action Flag	1
9900	On Line CoD Buying (Flag)	1
9910	CBU authorization	1
9969	z10 BC Site Tool Kit	1
	Serial: 00004FE3E	Total
Upgrade 1 of 1 2086-00004FE3E		

System 2 - Hardware Orders

Page 7

~9083907.txt

Product	Description	Qty	Purchase
Hardware MESS			
2098-E10	IBM System z10 Business Class	1	
Additions			
9002	Multi Order Rec only Flag-MES	1	
9003	RPO Action Flag	1	
	Serial: 00004FE3E	Total	
Hardware RPOs			
2098-E10	IBM System z10 Business Class	1	
Additions			
6818	CBU	1	
	Serial: 00004FE3E	Total	

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: Upgrade z10 Processor at DOT as follows:

upgrade 1 of 1 2098-000027EED installed at DOT

System 1 - Hardware Base Starting-point

Product	Description	Qty	Purchase
2098-E10	IBM System z10 Business Class	1	
0089	SE-EN Switch (former HUB)	2	
0090	HMC	1	
0114	I/O Cage Full Card Airflow	1	
0157	CEC	1	
0162	HCA2-C Fanout	2	
0165	MBA Fanout Airflow	4	
0326	IFB-MP Daughter Card	4	
0327	STI-A8 Mother Card	2	
1123	Model E10	1	
1644	4 GB Memory DIMM(4/feature)	5	
2323	16 Port ESCON	4	
2324	ESCON Channel Port	12	
2412	64 GB Memory	1	
3319	FICON Express2 2GB LX 4 ports	2	
3324	FICON Express4 4KM LX 4 ports	3	
3365	OSA-Express2 GbE SX 2 ports	2	
3366	OSA-Express2 1000BASE-T EN 2 ports	4	
3759	Universal Lift Tool/Ladders	1	
3863	CPACF Enablement	1	
4000	I/O Drawer	2	
4001	Frame Costing Feature	1	
5100	2-Way Processor R02	1	
6093	Large Console Display	1	
6650	IFL	2	
6654	ZIIP	1	
6673	CP-R	2	
6930	R02 Capacity Marker	1	
8987	14 ft 250v 3 PH Cord	1	
9930	Northern Hemisphere	1	
9969	z10 BC Site Tool Kit	1	
Serial: 000027EED		Total	

upgrade 1 of 1 2098-000027EED

System 1 - Proposed Hardware

Product	Description	Qty	Purchase
2098-E10	IBM System z10 Business Class	1	
0089	SE-EN Switch (former HUB)	2	
0090	HMC	1	
0114	I/O Cage Full Card Airflow	5	
0157	CEC	1	
0162	HCA2-C Fanout	4	

-8482469.txt

0165	MBA Fanout Airflow	2
0326	IFB-MP Daughter Card	8
0327	STI-A8 Mother Card	4
0871	Crypto Express3 1 ports	2
1123	Model E10	1
1644	4 GB Memory DIMM(4/feature)	5
2323	16 Port ESCON	4
2324	ESCON Channel Port	12
2412	64 GB Memory	1
3324	FICON Express4 4KM LX 4 ports	3
3326	FICON Express8 SX 4 ports	8
3365	OSA-Express2 GbE SX 2 ports	2
3366	OSA-Express2 1000BASE-T EN 2 ports	4
3367	OSA-Express3 1000BASE-T 4 ports	4
3759	Universal Lift Tool/Ladders	1
3863	CPACF Enablement	1
4000	I/O Drawer	4
4001	Frame Costing Feature	1
5077	4-Way Processor M04	1
6093	Large Console Display	1
6650	IFL	2
6654	zIIP	1
6668	CP-M	4
6805	1 Additional CBU Tests	10
6817	1 CBU Year	5
6818	CBU	1
6820	1 CBU CP	10
6907	M04 Capacity Marker	1
8987	14 ft 250v 3 PH Cord	1
9000	Multi Order Ship Flag	1
9004	Downgraded PUS Per Request	1
9900	On Line CoD Buying (Flag)	1
9910	CBU authorization	1
9930	Northern Hemisphere	1
9969	z10 BC Site Tool Kit	1

Serial: 000027EED

Upgrade 1 of 1 2098-000027EED

System 1 - Hardware Orders

Product	Description	Qty
Hardware MESS		
2098-E10	IBM System z10 Business Class	1
Feature conversions		
5100	2-way Processor R02	-1
5077	4-way Processor M04	1
Net charge		
Additions		
0114	I/O Cage Full Card Airflow	4
0162	HCA2-C Fanout	2
0326	IFB-MP Daughter Card	4

Page 2

		-8482469.txt	
0327	STI-A8 Mother Card		2
0871	Crypto Express3 1 ports		2
3326	FICON Express8 SX 4 ports		8
3367	OSA-Express3 1000BASE-T 4 ports		4
4000	I/O Drawer		2
6668	CP-M		4
6805	1 Additional CBU Tests		10
6817	1 CBU Year		5
6818	CBU		1
6820	1 CBU CP		10
6907	M04 Capacity Marker		1
9000	Multi Order Ship Flag		1
9004	Downgraded PUs Per Request		1
9900	On Line CoD Buying (Flag)		1
9910	CBU authorization		1
Removals			
0165	MBA Fanout Airflow		-2
3319	FICON Express2 2GB LX 4 ports		-2
6673	CP-R		-2
6930	R02 Capacity Marker		-1
	Serial: 000027EED	Total	

System 2

2098-000027EED

System 2 - Hardware Base Starting-point

Product	Description	Qty	Purchase
2098-E10	IBM System z10 Business Class	1	
0089	SE-EN Switch (former HUB)	2	
0090	HMC	1	
0114	I/O Cage Full Card Airflow	5	
0157	CEC	1	
0162	HCA2-C Fanout	4	
0165	MBA Fanout Airflow	2	
0326	IFB-MP Daughter Card	8	
0327	STI-A8 Mother Card	4	
0871	Crypto Express3 1 ports	2	
1123	Model E10	1	
1644	4 GB Memory DIMM(4/feature)	5	
2323	16 Port ESCON	4	
2324	ESCON Channel Port	12	
2412	64 GB Memory	1	
3324	FICON Express4 4KM LX 4 ports	3	
3326	FICON Express8 SX 4 ports	8	
3365	OSA-Express2 GbE SX 2 ports	2	
3366	OSA-Express2 1000BASE-T EN 2 ports	4	
3367	OSA-Express3 1000BASE-T 4 ports	4	

Page 3

~8482469.txt

3759	Universal Lift Tool/Ladders	1
3863	CPACF Enablement	1
4000	I/O Drawer	4
4001	Frame Costing Feature	1
5077	4-Way Processor M04	1
6093	Large Console Display	1
6650	IFL	2
6654	zIIP	1
6668	CP-M	4
6805	1 Additional CBU Tests	10
6817	1 CBU Year	5
6818	CBU	1
6820	1 CBU CP	10
6907	M04 Capacity Marker	1
8987	14 ft 250v 3 PH Cord	1
9000	Multi Order Ship Flag	1
9004	Downgraded PUS Per Request	1
9900	On Line CoD Buying (Flag)	1
9910	CBU authorization	1
9930	Northern Hemisphere	1
9969	z10 BC Site Tool Kit	1

Serial: 000027EED Total

Upgrade 1 of 1 2098-000027EED

System 2 - Proposed Hardware

Product	Description	Qty	Purchase
2098-E10	IBM System z10 Business Class	1	
0089	SE-EN Switch (former HUB)	2	
0090	HMC	1	
0114	I/O Cage Full Card Airflow	5	
0157	CEC	1	
0162	HCA2-C Fanout	4	
0165	MBA Fanout Airflow	2	
0326	IFB-MP Daughter Card	8	
0327	STI-A8 Mother Card	4	
0871	Crypto Express3 1 ports	2	
1123	Model E10	1	
1644	4 GB Memory DIMM(4/feature)	5	
2323	16 Port ESCON	4	
2324	ESCON Channel Port	12	
2412	64 GB Memory	1	
3324	FICON Express4 4KM LX 4 ports	3	
3326	FICON Express8 SX 4 ports	8	
3365	OSA-Express2 GbE SX 2 ports	2	
3366	OSA-Express2 1000BASE-T EN 2 ports	4	
3367	OSA-Express3 1000BASE-T 4 ports	4	
3759	Universal Lift Tool/Ladders	1	
3863	CPACF Enablement	1	
4000	I/O Drawer	4	
4001	Frame Costing Feature	1	
5100	2-Way Processor R02	1	
6093	Large Console Display	1	
6650	IFL	2	
6654	zIIP	1	
6673	CP-R	2	
6805	1 Additional CBU Tests	10	

Page 4

```

~8482469.txt
6817 1 CBU Year 5
6818 CBU 1
6820 1 CBU CP 10
6907 M04 Capacity Marker 1
8987 14 ft 250v 3 PH Cord 1
9000 Multi Order Ship Flag 1
9002 Multi Order Rec only Flag-MES 1
9004 Downgraded PUS Per Request 1
9900 On Line CoD Buying (Flag) 1
9910 CBU authorization 1
9930 Northern Hemisphere 1
9969 z10 BC Site Tool Kit 1

```

Serial: 000027EED Total

Upgrade 1 of 1 2098-000027EED

System 2 - Hardware Orders

Product	Description	Qty
Hardware MESS		
2098-E10	IBM System z10 Business Class	1
Feature conversions		
5077	4-Way Processor M04	-1
5100	2-Way Processor R02	1
Net charge		
Additions		
6673	CP-R	2
9002	Multi Order Rec only Flag-MES	1
Removals		
6668	CP-M	-4

Serial: 000027EED Total

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: TPC Replication Software, same for ISD and DOT as follows:

NOTE:

ISD	QUANTITY: 1
DOT	QUANTITY: 1

ISD/DOT Joint Disaster TPC Replication Software Specifications

Part # D58EYLL

TPCREP2 1-12TB LIC+S&S 12mo.

Points 28.30

Ext Points 254.70

Qty 9

Extended SVP 5,253.00

Ent SVP 47,277

Part # D58FOLL

TPCREP2 13-32TB LIC+S&S 12mo.

Points 24.00

Ext Points 480.00

Qty 20

Ent SVP 4,446.00

Part # D58F2LL

TPCREP2 33-64TB LIC+S&S 12mo.

Qty 17.40

Ext SVP 556.80

Qty 32

Ent SVP 3,230

Part # D58F4LL

TPCREP2 65-100TB LIC+S&S 12mo

Points 13.10

Ext Points 209.60

Qty 16

Ent SVP 2,423.00

SECTION II

CONFIGURATION SPECIFICATIONS

II.2. EQUIPMENT CONFIGURATION – DETAILED: IBM DS8700, same configuration for ISD and DOT as follows:

NOTE:

DOT	QUANTITY: 2
ISD	QUANTITY: 2

DOT/ISD DS8700 2-way 40TB 450GB OEL PTC RMC-GM PAV HPAV 32GB 16 4Gb SW FICON 0

***** HARDWARE *****

Product	Description	Qty
2423-941	System Storage DS8700	1
0100	Eligible for EU Shipment	1
0700	OEL Indicator	1
0703	FICON Attach Indicator	1
0720	PTC Indicator	1
0746	GM Indicator	1
0780	PAV Indicator	1
0782	HyperPAV Indicator	1
0820	50.1 to 75.0 TB capacity	1
0900	Non-Standby CoD	1
0934	IBM System z Indicator	1
1050	Battery Assembly	2
1090	Line Cord (US/LA/AP/Canada)	1
1120	Management Console - English	1
	Laptop Internal	
1210	Disk Enclosure Pair	4
1211	Disk Drive Cable Group 1	1
1301	I/O Enclosure Pair PCIE	2
1321	PCI-E Cable Group 2	1
1410	50 um Fibre Cable (LC)	16
1711	Release 5 Bundle Family	1
2616	450 GB 15K Drive Set	8
3043	Device Adapter Pair III	2
3143	4Gb SW FCP/FICON Adapter PCIE	4
4212	32 GB Processor Memory (2-Way)	1
4301	2 Way Processor Card	1
7033	OEL - 10 TB	1
7035	OEL - 50 TB	1
7051	OEL - 1 Value Unit	1
7052	OEL - 5 Value Unit	1
7053	OEL - 10 Value Unit	1
7055	OEL - 50 Value Unit	1
7091	FICON indicator	1
7253	PTC - 10 TB indicator	1
7255	PTC - 50 TB indicator	1
7523	GM - 10 TB indicator	1
7525	GM - 50 TB indicator	1
7823	PAV - 10 TB indicator	1
7825	PAV - 50 TB indicator	1
7899	HyperPAV indicator	1
2398-LFA	DS8000 Function Authorization	1
0934	IBM System z Indicator	1
7033	OEL - 10 TB	1
7035	OEL - 50 TB	1
7051	OEL - 1 Value Unit	1
7052	OEL - 5 Value Unit	1
7053	OEL - 10 Value Unit	1

7055 OEL - 50 Value Unit	1
7091 FICON Attachment	1
7253 PTC - 10 TB indicator	1
7255 PTC - 50 TB indicator	1
7523 GM - 10 TB indicator	1
7525 GM - 50 TB indicator	1
7823 PAV - 10 TB indicator	1
7825 PAV - 50 TB indicator	1
7899 HyperPAV	1

***** SERVICES *****

Product	Description	Qty
6942-258	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1
6948-B03	Support Line Storage for Enterprise Storage	1
5805	Extended Coverage (24x7)	1
7313	Request Proposal for Prices	1
8084	SL Storage for Enterprise Storage	1

***** HARDWARE *****

Product	Description	Qty
2805-MC4	System Storage Productivity Center	1
0018	IBM Tivoli Storage Productivity Center via AAS/eConfig	1
1171	Power Cord, Group 1, USA, CAN, BRA, JPN, MEX, PHL, SAU, TWN	1

***** SOFTWARE *****

Product	Description	Qty
5608-R63	IBM Tivoli Storage Productivity Center Basic Edition V4.1 Reg:3 Yr	1
0001	SW S&S (Qty 1) 3 Year Registration	1
5608-WB1	IBM Tivoli Storage Productivity Center Basic Edition V4.1	1
0001	Per server (Qty 1)	1
5809	Multilingual DVD	1

***** SERVICES *****

Product	Description	Qty
6942-25B	Warranty Service Upgrade	1
0050	Request Proposal for Prices	1
4524	WSU Same Day 24x7x4 Response	1
6942-CON	Contract Coverage (N/C codes)	1
0096	ServiceElite	1
6942-HMA	Hardware Maintenance (N/C codes)	1
0025	Hardware Maintenance Selected	1
0050	Request Proposal for Prices	1
6942-TCS	Terms (N/C codes)	1
0050	Request Proposal for Prices	1
0053	Prepay Billing 3 Year Term	1
6948-B03	Support Line Storage for Enterprise Storage	1
5805	Extended Coverage (24x7)	1
7313	Request Proposal for Prices	1
8084	SL Storage for Enterprise Storage	1
6948-E11	IBM Implementation Services for Storage Software - IBM System Storage Productivity	1
9198	Center (SSPC) Basic Integration Implementation Services for SSPC	1

SECTION III

PRICE DATA

III.1. PRICING: This section of the bid must show the prices, by item, for all components of each configuration to include hardware, software, cables/connectors, shipping, installation, training, maintenance, start-up supplies/equipment and any other items. This pricing information must include all items that are required to provide a complete and operational system (equipment and software) to the STATE. It is imperative that all pricing information be included in the bid.

It is understood that the State of Alabama shall receive the benefit of any bidder's price reductions that may occur prior to the acceptance of the equipment. The bidder also agrees to notify the STATE in writing with ten (10) days of price decreases.

III.2. HARDWARE PRICE TABLES: The following price TABLES A, B and C are required for each component bid for ISD and for DOT. There will be a TABLE C for each hardware item bid.

NOTE: Vendors charging for initial training, installation, documentation, and support items, etc., must enter these additional charges in TABLE A.

III.3. SOFTWARE PRICE TABLES: Price TABLE D is required for each software component bid. Vendors charging for initial training, installation, documentations, support items, etc., must enter these additional software charges in TABLE A. It is a requirement of the ITB that the bidder supply prices for the first year only on the requested software. Changes in version and release software will render quoted software prices invalid after one year.

III. 4. FINANCING: Include interest rate, cost factor per \$1,000.00 and separate amortization schedules for ISD and DOT. Each department to be billed separately.

TABLE A

ONE TIME COST

A.1. All equipment installation costs (show details in TABLE B) \$_____

A.2. Training costs \$_____

A.3. Other one-time costs (identify)* \$_____

TOTAL ONE TIME COSTS \$_____

Provide details below. Use additional sheets if necessary.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

TABLE “B” SYSTEM HARDWARE COSTS: Each equipment component item bid, detailed at feature code level, must be individually priced in these tables.

COLUMN 1:	Item Number.
COLUMN 2:	Enter the model number and type of each component.
COLUMN 3:	Enter a brief but adequate description of the component item.
COLUMN 4:	Enter the quantity or number of component units being bid.
COLUMN 5:	Enter the list purchase price of each unit.
COLUMN 6:	Enter discount.
COLUMN 7:	Enter the net purchase price for each unit.
COLUMN 8:	Enter total net purchase price for the total bid.
COLUMN 9:	Enter installation charge. Item total.

GRAND TOTALS: ENTER TOTALS FOR COLUMNS 8 AND 9.

TABLE B

HARDWARE PRICING

(1)Item Number	(2)Model/ Type Number	(3) Description	(4)Quantity	(5) List Purchase Price	(6)Discount	(7)Net Price Each Unit	(8) Net Purchase Price Total Bid	(9)Installation Charge
A. ISD								
B. DOT								

TABLE C
HARDWARE
WARRANTY AND MAINTENANCE/LEASE

I. WARRANTY: State the warranty period for each and every hardware item in your bid. Warranty service must be the same as maintenance requirements.

ITEM NUMBER/DESCRIPTION

WARRANTY PERIOD

II. Hardware maintenance table: Maximum annual increases bid in this table become part of any contract resulting from this bid. If a vendor does not respond to this table, the maximum increases will be ruled to be zero (0) and said amount (zero) will become part of any contract resulting from this bid. Initial amounts must agree with prices shown on Table B. **Table C must be completed for each hardware item shown on Table B.**

ITEM NUMBER _____

Contract year for maintenance cost determination	Previous year's monthly Dollars	X	Maximum percentage increased quoted for year of contract	=	Initial monthly amount or increased monthly amount	X	Number of months or 12 months	=	Full year total for on-site maint.
1 st year expense for non-warranty PPM* time period (enter # of months)	XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX	X	XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX	=	\$ _____	X	_____	=	\$ _____
2 nd year PPM maint.	\$ _____	X	% _____	=	\$ _____	X	12	=	\$ _____
3 rd Year PPM maint.	\$ _____	X	% _____	=	\$ _____	X	12	=	\$ _____
4 th year PPM maint.	\$ _____	X	% _____	=	\$ _____	X	12	=	\$ _____
5 th year PPM maint.	\$ _____	X	% _____	=	\$ _____	X	12	=	\$ _____

TOTAL MAINTENANCE EXPENSE FOR 5 YEARS

\$ _____

*Principle Period of Maintenance

TABLE “D” SYSTEM SOFTWARE COSTS: Each software component item bid, detailed at feature code level, must be individually priced in these tables.

- COLUMN 1:** Item Number.
- COLUMN 2:** Enter the program number of each component bid.
- COLUMN 3:** Enter a brief but adequate description of the component item.
- COLUMN 4:** Enter version and release number.
- COLUMN 5:** Enter the onetime charge for this component.
- COLUMN 6:** Enter any additional license fee(s) for each unit.

ENTER TOTALS FOR COLUMNS 5 & 6.

TABLE D

SOFTWARE PRICING

(1) Item Number	(2)Program Number	(3) Description		(4) Version&Release Number	(5)One Time Charge	(6) Additional License Fee
A. ISD						
B. DOT						

